

## EXECUTIVE SUMMARY

Date Summary Prepared: July 26, 2010

<b>Mine Name:</b> Rocky Point Gravel Mine	<b>I.D. Number:</b> M/003/0079
<b>Operator:</b> Marriott rock Products, LLC	<b>Date Original Notice Received:</b> 10/30/2007
<b>Address:</b> 5238 West 2150 North Ogden, UT 84404	<b>County:</b> Box Elder County
	<b>New/Existing:</b> Status changing from SMO to LMO This operation is combining 3 existing SMO's into one LMO.
	<b>Mineral Ownership:</b> FEE
<b>Contact Person:</b> Randy Marriott	<b>Surface Ownership:</b> FEE
<b>Telephone:</b> 801-731-1008	<b>Lease No.(s):</b> N/A

Life of Mine: 20 plus yearsLegal Description: Portions of the E/2 of the SE/4 of Sec. 14, Township 7 North, Range 2 West, SLBM, Box Elder County, UtahMineral(s) to be Mined: Rock, Rock AggregateAcres to be Disturbed: 33 acres (phase 1), 145 acres (phase II) –phase II is not being approved at this time.Present Land Use: Grazing, wildlife habitatPostmining Land Use: Grazing, wildlife habitatVariances from Reclamation Standards (Rule R647) Granted: NoneSoils and Geology

**Soil Description:** Several soil types are found on the project area, including the Ridd Rock outcrop complex, Sterling gravelly loam, Manila loam, Marriott Series, Ridd rocky sandy loam, Sterling very rocky loam, Layton loamy fine sand, and the Pleasant View Loam. These soils are generally well drained and average in thickness from outcrop to 25", with most having less than 1 foot of topsoil. Limiting factors for vegetation establishment is the rockiness of these soils. Phase one area has very little topsoil available due to past sand and gravel operations. All available topsoil will be stockpiled for reclamation.

pH: pH ranges from 7.2 to 8.4 pH units.**Special Handling Problems:**

**Geology Description:** The main geologic feature of the area is the Pleasant View Salient. This salient is held up by the erosionally resistant rocks of the underlying Cambrian Maxfield Formation and the Cambrian Tintic Quartzite. These formations are 500 to 1500 feet thick. These formations are overlain by about 20 feet of Quaternary Lake Bonneville deposits.

Hydrology



**Ground Water Description:** Ground water wells in the area vary between 8 – 78 feet deep to potable water from the lowest elevation of the project.

**Surface Water Description:** There are no perennial streams on the property. Surface/storm water has been and will be captured in the sediment collection ponds and slope drains as outlined in the Stormwater Management Plan.

**Water Monitoring Plan:** No water monitoring plans are required for this operation.

### Ecology

**Vegetation Type(s); Dominant Species:** Most of the vegetation in the area has been disturbed by past mining and agricultural practices. Vegetation is dominated by grass and forb species with few shrubs. Common species include: Bluebunch wheatgrass, purple threeawn, intermediate wheatgrass, sand dropseed, annual sunflower, and sagebrush. Dominant weedy species include broom snakeweed, Cranesbill, dyer's woad, and cheatgrass. Total vegetation ground cover averaged 45%.

**Wildlife Concerns:** The northern portion of the project area is important winter range for mule deer. There is no riparian habitat, or known existence of threatened or endangered species or their habitats.

**Surface Facilities:** Surface facilities include and office/scale building, two cone crushers, 2 jaw crushers, 2 deck screens and 9 material stackers and conveyors.

### Mining and Reclamation Plan Summary:

**During Operations:** Material is excavated with track excavators and loaded into haul trucks. Blasting is utilized approximately once per week to fracture consolidated materials for excavation. Material is then run thru the screens and crusher circuits to sort and size for final product needs.

**After Operations:** Current goal of reclamation is to return the area to agriculture and wildlife habitat. There is a potential for residential and commercial use, however these uses will not be evaluated until near mine life and a permit amendment to change the post mining land use is applied for and approved. To reclaim the site, slopes will be graded to 3h:1v or less, highwalls will be left at an overall 1h:1v slope with 20' wide benches. The pit floor will be gently sloped. Roads will be ripped. Plant growth materials will be amended as needed with up to 10 ton/acre of composted manure and applied at a 12" depth. The area will be seeded with a mix of grasses, forbs and shrubs designed to meet the intended post mining land use. Seeding will be done in the late fall planting season.

### Surety

**Amount:** \$281,000

**Form:** unknown at this time.

**Renewable Term:** 5 years.